

CLAIMS:

1. A film layer made from a polymer composition, wherein the composition comprises

(A) from 10 percent (by weight of the total composition) to 95 percent (by weight of the total composition) of at least one homogeneously branched ethylene/alpha-olefin interpolymer having:

(i) a density from 0.86 grams/cubic centimeter (g/cm^3) to 0.92 g/cm^3 ,

(ii) a molecular weight distribution (M_w/M_n) from 1.8 to 2.8,

(iii) a melt index (I_2) from 0.2 grams/10 minutes (g/10min) to 200 g/10 min ,

(iv) substantially no high density fraction; and

(B) from 5 percent (by weight of the total composition) to 90 percent (by weight of the total composition) of at least one heterogeneously branched ethylene polymer having a density from 0.88 g/cm^3 to 0.945 g/cm^3 ;

wherein the polymer composition has a melt index which is from 0.5 grams/10 minutes to 30 grams/10 minutes and which is lower than the melt index of component (A).

2. (Cancelled).

3. The film layer of claim 1 having a heat seal initiation temperature of no greater than 105 °C.

3. (Cancelled).

4. A film layer made from a polymer composition, wherein the composition has an ATREF-DV characterized by having at least 1 low temperature peak between 30°C and 90°C, wherein the lowest temperature peak has an M_v which is at least 6 percent lower than the average M_v of the composition.

6. The film layer of claim 1 or 2 wherein the homogeneously branched ethylene/alpha olefin polymer of component (A) is an interpolymer of ethylene with at least one $\text{C}_3\text{-C}_{20}$ alpha-olefin.

7. The film layer of claim 1 wherein the heterogeneously branched ethylene polymer is a copolymer of ethylene and a $\text{C}_3\text{-C}_{20}$ alpha-olefin.

8. The film layer of claim 1 wherein the heterogeneously branched ethylene polymer is a copolymer of ethylene and 1-octene.
9. The film layer of claim 5 wherein the polymer composition includes a homogeneously branched ethylene/alpha-olefin copolymer which is a copolymer of ethylene and 1-octene.
10. In a composition comprising at least one homogeneously branched ethylene/alpha-olefin interpolymer and at least one heterogeneously branched ethylene/alpha-olefin interpolymer, the improvement comprising the composition having an ATREF-DV characterized by having at least 1 low temperature peak between 30°C and 90°C, wherein the lowest temperature peak has an Mv lower than the average Mv of the composition.
11. (Cancelled).
12. In a composition comprising at least one homogeneously branched ethylene/alpha-olefin interpolymer and at least one other ethylene polymer, the improvement comprising the composition having an ATREF-DV characterized by having at least 1 low temperature peak between 30C and 90C, wherein the low temperature peak has an Mv lower than the average Mv of the composition.
13. The film layer of claim 1 wherein (B) has a density higher than the density of the composition.
14. The improvement of claim 10 wherein the homogeneously branched substantially linear ethylene/alpha-olefin interpolymer is an interpolymer of ethylene with at least one C₃-C₂₀ alpha-olefin.
15. The improvement of claim 10 wherein the homogeneously branched substantially linear ethylene/alpha-olefin interpolymer is a copolymer of ethylene and a C₃-C₂₀ alpha-olefin.
16. The improvement of claim 10 wherein the homogeneously branched substantially linear ethylene/alpha-olefin interpolymer is a copolymer of ethylene and 1-octene.
17. The improvement of claim 10 wherein the heterogeneously branched ethylene polymer is a copolymer of ethylene and a C₃-C₂₀ alpha-olefin.
18. The improvement of claim 10 wherein the heterogeneously branched ethylene polymer is a copolymer of ethylene and 1-octene.

19. The film of claims 1, 2 or 4, or the composition of claims 10 or 12, wherein the composition comprises more than 40 percent (by weight of the total composition) of Component (A)
20. (Cancelled).
21. A film layer made from a polymer composition, wherein the composition has a CRYSTAF-LS characterized by having a lowest temperature peak between 30°C and 90°C, wherein the lowest temperature peak has an Mw which is at least 6 percent lower than the average Mw of the composition.
22. In a composition comprising at least one homogeneously branched ethylene/alpha-olefin interpolymers and at least one heterogeneously branched ethylene/alpha-olefin interpolymers, the improvement comprising the composition having a CRYSTAF-LS characterized by having at least 1 low temperature peak between 30°C and 90°C, wherein the lowest temperature peak has an Mw lower than the average Mw of the composition.
23. In a composition comprising at least one homogeneously branched ethylene/alpha-olefin interpolymers and at least one other ethylene polymer, the improvement comprising the composition having a CRYSTAF-LS characterized by having at least 1 low temperature peak between 30°C and 90°C, wherein the low temperature peak has an Mw lower than the average Mw of the composition.

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